

SkinScreening / HautCheck - App Concept

Project by: Dr. Fadi Alakrami

Purpose:

A multilingual, AI-powered mobile and web app for early skin cancer detection (Melanoma, BCC, SCC) and mole tracking.

Main Features (Version 1):

- Mole detection and time-based tracking
- Early risk hints for Melanoma, BCC, SCC
- Smart body map and guided image capture
- AI-based skin type classification via photo
- Personalized UV protection suggestions
- Profile management for up to 3 users
- Offline storage, no cloud, GDPR-compliant
- Languages: English, German, Arabic (Chinese planned)
- Non-intrusive advertising in free version

Technology Stack:

- Flutter (for Android, iOS, Web)
- TensorFlow Lite / PyTorch Mobile
- OpenCV or MediaPipe for image analysis
- OpenWeather/UV API for UV index
- SQLite for local storage

How to Contribute:

This project is open to developers, students, and researchers in:

- Flutter app development
- AI and machine learning
- Medical imaging and dermatology
- UI/UX and translation

To contribute:

1. Visit: <https://github.com/fadiakrami/SkinScreening-HautCheck>
2. Check the open issues
3. Fork the repository
4. Work on a feature or fix
5. Submit a pull request (PR)
6. Join the discussions and help grow this life-saving tool

Contact:

Dr. Fadi Alakrami via GitHub or project discussions